

**NEW AND IMPROVED SYSTEM AND METHOD FOR
DATA TRAFFIC REDIRECTION**

ABSTRACT

A system and method for intelligently redirecting data traffic from a Public Switched Telephone Network (PSTN) to a data network. The system can include: an intelligent communications platform connected between a switch and a Signaling System 7 (SS7) network to intercept SS7 messages between the switch and the SS7 network; and a communications control module connected to the intelligent communications platform via a Transmission Control Protocol/Internet Protocol (TCP/IP) link, the communications control module for providing management and communications to the ICP and providing access to the management and communication for a plurality of subscribers. The ICP can include an SS7 I/O card for processing SS7 messages and a CPU card for processing ISUP and TCAP. The communications control module can include: instructions for receiving messages from other ICPs for updated information on congestion on certain routes. The communications control module can also include instructions for receiving messages from other ICPs for updated information on congestion on certain routes. The communications control module can include: instructions for the plurality of subscribers to enter respective access line availability, alternative access numbers; and instructions for a plurality of users to populate respective user profiles. The GUI can allow internet service providers (ISP) to update information on status of a plurality of modem banks within the ISP, and can allow a network engineer to view traffic congestion and redirect traffic if necessary.